

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

RF Active Compositions for Use in Adhesion, Bonding and Coating

Application Number:

09/667720

Confirmation Number:

9377

First Named Applicant:

William J. Ryan

Attorney Docket Number: 2113.0040004

Art Unit:

Examiner:

Patrick Dennis Niland

Search string:

(6617557 or 6649888 or 6348679 or

6600142).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1211	1.	6617557	2003-09-09	Ryan et al.			
1	2	6649888	2003-11-18	Ryan et al.			
	3	6348679	2002-02-19	Ryan et al.			•
P21	4	6600142	2003-07-29	Ryan et al.]		

Signature

Examiner Name	Date
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RF Active Compositions For Use In Adhesion, Bonding And Coating

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Search string:

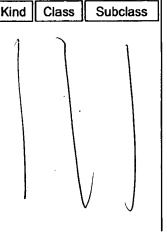
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or 5287081).pn.

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Signature

Examiner Name	Date
	4/4/04
	



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(5300749 or 5336346 or 5393351 or 5403123 or 5413837 or 5429702 or 5447592 or 5458233 or 5469863 or 5499484 or 5529708 or 5534097 or 5541482 or 5548056 or 5567489 or 5587226 or 5611882 or 5620656 or 5644798 or 5646076 or 5667621 or 5679423 or 5693412 or 5698061 or 5698062 or 5712044 or 5732413 or 5766400 or 5766744 or 5804021 or 5806983 or 5824606 or 5833915 or 5840405 or 5846620 or 5861211 or 5882789 or 5893219 or 5912317 or 5945486 or 5989375 or 6023856 or 6025287 or 6030490 or 6042673 or 6045648 or 6052033 or 6060145

US Patent Documents

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			3	5393351	1995-02-28	Kinard et al.			
			4	5403123	1995-04-04	Walters			
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			6	5429702	1995-07-04	Grooms et al.			
	\Box		7	5447592	1995-09-05	Berce et al.			
	V		8	5458233	1995-10-17	Herrin			
(PI	7	9	5469863	1995-11-28	Shah			

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<u> </u>	11	5529708	1996-06-25	Palmgren et al.
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Signature

Examiner Name	, Date
CHET L	B 4/4/04



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(6082025 or 6083587 or 6138861 or 6157258 or 6231985 or 6238787 or 6244441 or 6255635 or 6302988 or 6316756 or 6323468 or 6323659 or 6339888 or 6344254 or 6345865 or 6352077 or 6352779 or 6361843 or 6365650 or 5858553 or 5837088 or 5712469 or 5609941 or 5378879 or 4858342 or 4710539 or 4635797 or 4609690 or 4560579 or 4444806 or 3701875 or 3657038

or 3574031).pn.

US Patent Documents

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Signature

Examiner Name	Date
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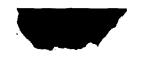
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CAN	AJ14 .	1,061,111	05/06/1913	Olsson, Z.			12/10/1912			
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Page 2 of 2

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Page 1 of 1

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	AF15								 	
(+1)	AG15	2,43	3,067	12/23/1947	Russe	11, G.F.	21	.9	47	06/26/1942
01	AH15	2,45	7,498	12/28/1948	Russe	ell, G.F. et al.	15	4	116	12/11/1945
\$	AI15	2,82	21,611	01/28/1958	_	J.W. et al.	21	. 9	10.61	03/18/1954
1321	AJ15	3,53	12,848	10/06/1970	Lorin	ıg, Jr., C.M. et	al. 21	. 9	10.61	04/26/1968
	AK15									<u></u>
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			<u></u>	v.s.	PATENT DOCUMENTS			1 6	\ <u>\</u>
EXAMINER INITIAL		DOCU	MENT BER	DATE	NAME		CLASS	SUE CLASS	FILING DATE
(IM	AA1	2,46	55,319	03/22/1949	Whinfield et al.	. :	260	75	09/24/1945
	AB1	2,76	9,804	11/06/1956	Hanson		260	86.7	09/10/1951
	AC1	2,90	1,466	08/25/1959	Kibler et al.		260	75	12/22/1955
	AD1	2,97	1,939	02/14/1961	Baer		260	45.5	01/30/1959
	AE1	2,98	19,517	06/20/1961	Hanson et al.		260	93.5	05/06/1954
	AF1	3,01	L8,272	01/23/1962	Griffing et al.	•	260	75	11/19/1956
	AG1	3,03	33,822	05/08/1962	Kibler et al.	:	260	47	06/29/1959
	AH1	1	3,826	05/08/1962	Kibler et al.		260	76	06/29/1959
-1	AII	·	33,827	05/08/1962	Kibler et al.		260	77	06/29/1959
	AJ1		75,952	01/29/1963	Coover et al.		260	75	01/21/1959
(ann	AK1	3,50	02,602	03/24/1970	Helm et al.		260	22	12/11/1967
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EXAMINER INITIAL		DOCU	IMENT BER	DATE	COUNTRY	REC	STASS FILE	SUB- CLASS	TRANSLATION
Pn	AL1	GB 9	88,414	04/07/1965	Great Britain	Juj	-	FU	Yes No
	AM1	FR 1	1407582	06/21/1965	France	TECHNOLOGY	2001		Yes, Yes see AS2 No
	AN1	DE 1	1745464	09/09/1971	Germany		CENTER R	3700	Abstract,Yes see AT1 No
V	A01	FR 2	2248311	06/20/1975	France				Abstract,Yes see AR2 No
Pu	AP1	WO 8	36/07034	12/04/1986	WIPO				Yes No
·····			OTHER (Incl	uding Author,	Title, Date, Per	tinent Pages	, etc.)		
PU	AR	1	209078, "E adhesive t	Bonding adhesi To fabric, imp	dex, English lang ve lining cloth t regnating with ac drying and bondi	to woven fabr q. soln. of e	ric by ap ethylene	plying hogglycol, so	t-melt odium
	AS	1	055474, "A	Adhesive comps	dex, English lang n. curable by HF h hardener and fe oss in HF field",	induction he erro-magnetio	ating - substan	prepd. by sce having	blending high
Fn	AT	<u>1</u>	Derwent Wo AN1), "Sol September	luble unsatura	dex, English lang ted polyesteramic	guage abstrac de resin", WE	t of DE	1745464 (1 5.: 68-072	Document 43Q/196800,
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(74)	AA2	3,5	46,008	12/08/1970	Shields et al.	117	138.8	05/27/1968
1	AB2	3,5	63,942	02/16/1971	Heiberger	260	29.2	11/29/1967
	AC2	3,6	07,554	09/21/1971	Heffernan	156	380	03/12/1969
	AD2	3,6	35,811	01/18/1972	Lane	204	192	11/06/1967
1	AE2	3,7	01,760	10/31/1972	Hagemeyer Jr. et al.	260	82	08/27/1970
	AF2	3,7	25,189	04/03/1973	Gidge	. 161	146	09/11/1970
	AG2	3,7	34,874	05/22/1973	Kibler et al.	260	29.2 E	02/27/1970
	AH2	3,7	79,993	12/18/1973	Kibler et al.	260	75 S	02/15/1973
	AI2	3,8	50,858	11/26/1974	Park	260	27 BB	09/28/1973
7,	AJ2		79,450	04/22/1975	Velker et al.	260	513 R	05/18/1973
Can	AK2	1	19,176	11/11/1975	Meyer, Jr. et al.	260	78.4 D	10/01/1973
01		- <u> </u>			N PATENT DOCUMENTS		.*	
EXAMINER INITIAL		DOC	UMENT BER	DATE	COUNTRY	CLASS	SUB-	TRANSLATION
PN	AL2	WO :	93/11926	06/24/1993	WIPO		186	Yes No
1	AM2	WO :	95/05413	02/23/1995	WIPO	A.	E TO	Yes No
	ANS	WO	95/18191	07/06/1995	WIPO	100	2	Yes No
V	AO2	WO :	96/07540	03/14/1996	WIPO		William R	Yes No
Ph	AP2	WO	99/47621	09/23/1999	WIPO	\	3	Yes No
			OTHER (Inc.)	uding Author,	Title, Date, Pertinent	Pages, etc.)		
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FY)	AT	<u>2</u>		onal Search Re gust 2, 1999.	port for International A	Application N	o. PCT/US9	9/05688,

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communication to Applicant.

EXAMINER



Page 3 of 14 ATTY. DOCKET NO. APPLICATION 1711.0040004/RWE FORM PTO-1449 APPLICANT Ryan et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP, September 22, 2000 U.S. PATENT DOCUMENTS EXAMINER LING DATE CLASS INITIAL DOCUMENT DATE NAME SUB NUMBER CLASS 3,936,412 02/03/1976 Rocholl 260 37 R 09/23/1974 156 Sendor et al. 380 06/17/1974 AB3 3,943,024 03/09/1976 260 75 M 04/26/1977 04/02/1971 AC3 4,020,049 Rinehart AD3 4,035,547 07/12/1977 Heller, Jr. et al. 428 329 12/04/1975 260 75 S 4,052,368 10/04/1977 Larson 06/21/1976 AE3 02/14/1978 O'Neill et al. 260 75 S 01/17/1975 AF3 4,073,777 Schonfeld et al. 264 25 08/29/1975 4,083,901 04/11/1978 AG3 08/01/1978 Schade 528 295 04/08/1976 AH3 4,104,262 AI3 4,110,284 08/29/1978 Violland et al. 260 29.5 TN 10/11/1974 260 889 08/05/1977 AJ3 4,127,619 11/28/1978 Godfrey 204 03/03/1978 4,133,731 01/09/1979 Hansen et al. 159.17 FOREIGN PATENT DOCUMENTS INITIAL DOCUMENT DATE COUNTRY TRANSLATION NUMBER EP 0 963 760 Yes 12/15/1999 Europe AL3 -No A1 Yes No AΜ Yes AN No Yes AΩ No Yes AΡ No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) International Search Report for International Application No. PCT/US00/26214, AR <u>3</u> mailed January 25, 2001. Natural Organic Products, Gelatin's Production (visited June 12, 2000) AS <u>3</u> <http://www.tessenderlo.com/c/p030000.htm>. Natural Organic Products, Solugel® (visited June 12, 2000) AT 3 <http://www.tessenderlo.com/c/p030201.htm>. DATE CONSIDER EXAMINER EXAMINER:

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ATTY. DOCKET NO. APPLICATION NO. 1711.0040004/RWE 09/667,720

APPLICANT Ryan et al.

Ryan et al. INFORMATION DISCLOSURE STATEMENT GROUP, 🧲 FILING DATE 3721 September 22, 2000 U.S. PATENT DOCUMENTS EXAMINER DATE NAME CLASS SUB-INITIAL DOCUMENT NUMBER CLASS AA4 4,146,521 03/27/1979 Godfrey 260 27 R 260 29.2N Õ\$/30/1979 AB4 4,233,196 11/11/1980 Sublett 03/24/1981 260 33.4R Vachon et al. 01728/1980 AC4 4,257,928 10/20/1981 Beckert et al. 219 10.41 11/13/1978 AD4 4,296,294 528 290 AE4 4,304,901 12/08/1981 O'Neill et al. 04/28/1980 264 22 03/31/1980 AF4 4,311,655 01/19/1982 Siadat 523 04/06/1981 06/15/1982 414 AG4 4,335,220 Coney 523 137 09/04/1979 4,360,607 11/23/1982 Thorsrud et al. AH4 AI4 4,396,739 08/02/1983 Sirota et al. 524 394 01/04/1982 Incremona 101 456 02/03/1982 AJ4 4,408,532 10/11/1983 525 169 05/01/1981 AK4 4,423,191 12/27/1983 Haven et al. FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION INITIAL CLASS NUMBER Yes No AL. Yes No AM Yes No AN Yes No AO Yes No AΡ OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Eastman, EASTMAN AQ 38S Polymer (visited May 8, 2000)
http://www.eastman.com/Product Information/ProductHome.asp?EastmanDotCom=True&pr AR 4 oduct=11>. Eastman, EASTMAN AQ 48 Ultra Polymer (visited May 8, 2000) AS http://www.eastman.com/Product Information/ProductHome.asp?EastmanDotCom=True&pr 4 oduct=74>. Eastman, EASTMAN AQ 55S Polymer (visited May 4, 2000)

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ATTY. DOCKET NO.
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Ryan et al.

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PIA	AA5	4,46	50,728	07/17/1984	Schmidt, Jr.	et al.	524	271	02/28/1983
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AB5	4,4	71,086	09/11/1984	Foster		524	489	11/09/1983
	AC5		39,193	12/18/1984	Goswami		525	190	01/30/1981
	AD5	4,49	99,262	02/12/1985	Fagerburg et	a1.	528	279	03/09/1984
	AE5	4,5	LO,324	04/09/1985	Rossi et al.		564	82	04/28/1983
	AF5	4,5	25,524	06/25/1985	Tung et al.		524	601	04/16/1984
	AG5	4,59	95,611	06/17/1986	Quick et al.		428	35	06/26/1985
	AH5	4,59	98,142	07/01/1986	Hilbert et a	1.	528	295	04/29/1985
(d	AI5	4,60	00,614	07/15/1986	Lancaster et	al.	428	35	09/12/1983
3	AJ5	4,60	01,948	07/22/1986	Lancaster et	al.	428	349	08/31/1984
(2)/N	AK5	4,64	10,865	02/03/1987	Lancaster et	al.	428	421	05/28/1985
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EXAMINER INITIAL		DOCU	MENT SER	DATE .	NAME	CLAS	s	SUB- CLASS	FILING DATE
PIA	AA6	4,69	59,595	04/21/1987	Walker et al.	427		391	10/07/1985
0,7	AB6	4,66	0,354	04/28/1987	Lancaster et al.	53		469	05/28/1985
	AC6	4,66	1,299	04/28/1987	Thorsrud	264		25	03/04/1985
	AD6	4,71	18,898	01/12/1988	Puletti et al.	604		366	06/26/1986
	AE6	4,72	28,572	03/01/1988	Davis	428		355	04/10/1987
	AF6	4,73	35,843	04/05/1988	Noda	428		137	12/18/1986
	AG6	4,75	53,846	06/28/1988	Mudge	428		343	02/02/1987
	AH6	4,76	51,198	08/02/1988	Salerno	156		334	07/13/1987
	AI6		52,731	08/09/1988	Lancaster et al.	427		40	12/17/1986
V	AJ6	1	56,035	08/23/1988	Lancaster et al.	428		345	12/17/1986
BIA	AK6	1	57,799	08/30/1988	Thorsrud	523		137	01/30/1987
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OB/	AA7	4,7	87,194	11/29/1988	Lar	ncaster et al.	53		469 k.	04/27/	1987
7	AB7	4.7	90,965	12/13/1988	The	orsrud	26	4	25	01/30/	1987
	AC7	4,8	40,758	06/20/1989	The	orsrud	26	4	26	09/09/	1988
	AD7	4,8	47,155	07/11/1989	Lar	ncaster et al.	42	8	421	09/30/	1987
	AE7	4,8	53,420	08/01/1989	Pha	am et al.	52	1	50.5	05/04/	1987
	AF7	4,8	57,129	08/15/1989	Jer	nsen et al.	15	6	273.7	07/31/	1987
	AG7	4,8	86,853	12/12/1989	Fos	ster et al.	52	4	477	02/23/	1989
	AH7	4,8	95,457	01/23/1990	Lar	ncaster et al.	38	3	94	08/31/	1988
	AI7	1	10,292	03/20/1990	Blo	ount	52	8	272	10/14/	1988
$\vdash \setminus t$	AJ7	1	41,936	07/17/1990	1	lkinson et al.	15	6	274.8	04/28/	
7921	AK7	1	73,656	11/27/1990	1	ount	52		272	02/01/	
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	AS Z Miller, R. A. and Althen, G., "Water-Dispersible Hot Melt Adhesive Formulations," Adhesives Age 40:63-66, Chemical Week Associates (November, 1997).								ons, "		
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APPLICANT
Ryan et al.

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APPLICATION NO.
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(DV)	AA8	4,990,593	02/05/1991	Blount	528	272	07/13/1990
\overline{U}_{1}	AB8	5,002,051	03/26/1991	Dew et al.	128	395	07/14/1989
	AC8	5,079,047	01/07/1992	Bogaert et al.	428	41	05/12/1989
	AD8	5,098,962	03/24/1992	Bozich	525	437	01/22/1991
	AE8	5,132,108	07/21/1992	Narayanan et al.	424	78.17	11/08/1990
	AF8	5,156,613	10/20/1992	Sawyer	606	213	02/13/1991
	AG8	5,182,134	01/26/1993	Sato	427	543	01/28/1992
	AH8	5,209,776	05/11/1993	Bass et al.	106	124	07/27/1990
	AI8	5,217,798	06/08/1993	Brady et al.	428	246	05/07/1991
	AJ8	5,218,042	06/08/1993	Kuo et al.	524	601	09/25/1991
ØN	AK8	5,219,895	06/15/1993	Kelman et al.	522	68	01/29/1991
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Preliminary Amendment and Statement Under 37 C.F.R. § 163(d)(2) Deleting Inventors as filed in co-pending Divisional U.S. Patent Application No. 09/867,983, Ryan et al., filed May 31, 2001.

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P	<u>Y_</u>	AA9	5,22	20,141	06/15/1993	Q	uick et al.	219		10.55 E	03/26/1991
	<u> </u>	AB9	5,24	10,780	08/31/1993	Т	iers et al.	428		483	10/02/1991
		AC9 ·	5,28	31,630	01/25/1994	s	alsman	521		48.5	12/18/1991
		AD9	5,28	36,504	02/15/1994	s	heen et al.	426		243	02/01/1993
		AE9	5,29	92,362	03/08/1994	В	ass et al.	106		124	0 ነ/ 09/1991
		AF9	5,31	18,650	06/07/1994	K	erawalla	156		245	09/25/1992
		AG9	5,32	28,539	07/12/1994	s	ato	156		275.5	12/3171992
		АН9	5,32	29,004	07/12/1994	E	den et al.	536		109 💢	ट्या /23 विश्व
		AI9	5,33	36,518	08/09/1994	N	arayanan et al.	623		(E) -	12/11/1992
$\overline{}$	"	АЈ9	5.35	54,336	10/11/1994	к	elman et al.	623		6 (2)	03/15/1993
P	1	AK9		56,963	10/18/1994	1	auffman et al.	524		43	07/16/1993
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			υ.s.	PATENT DOCUMENTS		7	1 10	
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AN	AA10	5,360,845	11/01/1994	Billmers et al.	524	51	08/13/1993	
011			11/29/1994	George et al.	528	293	01/18/1994	
			12/06/1994	Stanley	524	457	03/04/1994	
	AD10	5,373,682	12/20/1994	Hatfield et al.	53	440	12/23/1992	
	AE10	5,382,652	01/17/1995	Fukuda et al.	528	308.6	03/30/1992	
	AF10	5,387,623	02/07/1995	Ryan et al.	523	124	06/06/1992	
	AG10	5,391,406	02/21/1995	Ramharack et al.	427	516	03/25/1994	
	AH10	5,403,312	04/04/1995	Yates et al	606	50	07/22/1993	
	AI10	5,403,998	04/04/1995	Sheen et al.	219	730	03/10/1993	
1	AJ10	5,416,127	05/16/1995	Chandran et al.	522	149	01/26/1994	
()	AK10	5,453,144	09/26/1995	Kauffman et al.	156	21.3	03/04/1994	
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M	AA11	5,475,038	12/12/1995	Skoultchi	522	96 \	05/10/1994	
	AB11	5,506,298	04/09/1996	Paul et al.	525	66 ^{\(\)}	04/12/1994	
	AC11	Des. 368,918	04/16/1996	DeBiasse	D15	145	05/24/1995	
	AD11	5,519,072	05/21/1996	Wieczorek, Jr. et al.	524	48	02/15/1995~	
	AE11	5,523,344	06/04/1996	Maksymkiw et al.	524	507	06/07/1995	
	AF11	5,527,655	06/18/1996	Bonham et al.	430	175	09/28/1994	
	AG11	5,530,056	06/25/1996	Farwaha et al.	524	558	05/03/1995	
	AH11	5,532,300	07/02/1996	Koubek et al.	524	47	08/12/1994	
	AI11	5,532,306	07/02/1996	Kauffman et al.	524	274	08/31/1994	
 \/.	AJ11	5,536,759	07/16/1996	Ramharack et al.	522	35	10/13/1994	
Con	AK11	5,543,488	08/06/1996	Miller et al.	528	277	07/29/1994	
- (P) -	IAKII	3,343,400		ON PATENT DOCUMENTS	1,555		1	
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			U.S.	PATENT DOCUMENTS				
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PM	AA12	5,545,472	08/13/1996	Koubek et al.	428	261	02/22/1995	
	AB12	5,552,495	09/03/1996	Miller et al.	525	437	10/31/1995	
	AC12	5,574,076	11/12/1996	Sharak et al.	523	128	05/03/1995	
	AD12	5,591,850	01/07/1997	Birbaum et al.	544	连6	11,/17/1994	
	AE12	5,608,000	03/04/1997	Duan et al.	524	561 J	09709/1994	
	AF12	5,616,625	04/01/1997	Hung et al.	521	795	02/17/1995	
	AG12	5,618,876	04/08/1997	Farwaha et al.	524	548 ~		
	AH12	5,645,886	07/08/1997	Schueler, II et al.	427	140	09/01/1995	
	AI12	5,645,904	07/08/1997	Woo et al.	428	35 🖸 🚍	12/11/1991	
W	AJ12	5,661,201	08/26/1997	Degrand	524 (23301	04/14/1995	
Pn	AK12	5,669,934	09/23/1997	Sawyer	606	2130	06/05/1995	
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(TH)	AA13	5,670,566	09/23/1997	Liedermooy et al.	524	271	01/06/1995
1 0 1 -	AB13	5,688,845	11/18/1997	Eden et al.	524	48	05/06/1996
	AC13	5,716,441	02/10/1998	Nguyen et al.	106	207.1	09/27/1996
	AD13	5,717,015	02/10/1998	Dust et al.	524	236	02/11/1997
	AE13	5,719,244	02/17/1998	Farwaha et al.	526	259.2	11/13/1996
 	AF13	5,749,895	05/12/1998	Sawyer et al.	606	213	09/206/1994
	AG13	5,750,605	05/12/1998	Blumenthal et al.	524	2382 6	
	AH13	5,760,111	06/02/1988	Birbaum et al.	524	1000	09/πη/1996
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	AI13	5,770,706	06/23/1998	Wu et al.	523	429 C	05/3121996
$\vdash \forall$	AJ13	5,795,397	08/18/1998	Shi et al.	127		35/05/1996
100	AK13	5,821,294	10/13/1998	Perlinski	524	507 🖂	08/30/1996
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(BA)	AA14	5,824,		10/20/1998	Sawyer	606	214	06/05/1995		
U 1/	AB14	5,840,		11/24/1998	Woo et al.	156	272.4	06/06/1995		
	AC14	5,859,		01/12/1999	Miller et al.	525	444	09/12/1997		
	AD14	5,856,		01/05/1999	Kawamura et al.	430	201	03/04/1997		
	AE14	6,048,		04/11/2000	Chu et al.	428	6 14	01/17/1997		
	AF14	6,072,		06/06/2000	Lincoln	330	盛	07/10/1998		
	AG14	6,121,		09/19/2000	Lundberg et al.	524	287	09/09/1994		
Com	AH14	6,157,		12/05/2000	Adishian et al.	330	2957.	77		
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